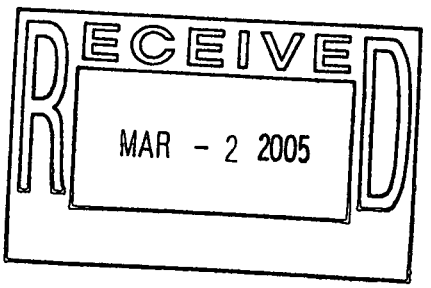
Rocky Flats Environmental Technology Site

Building 776/777 1st Floor In-process/Final Survey Report

Survey Unit: 776007



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January 2005

ADMIN RECORD

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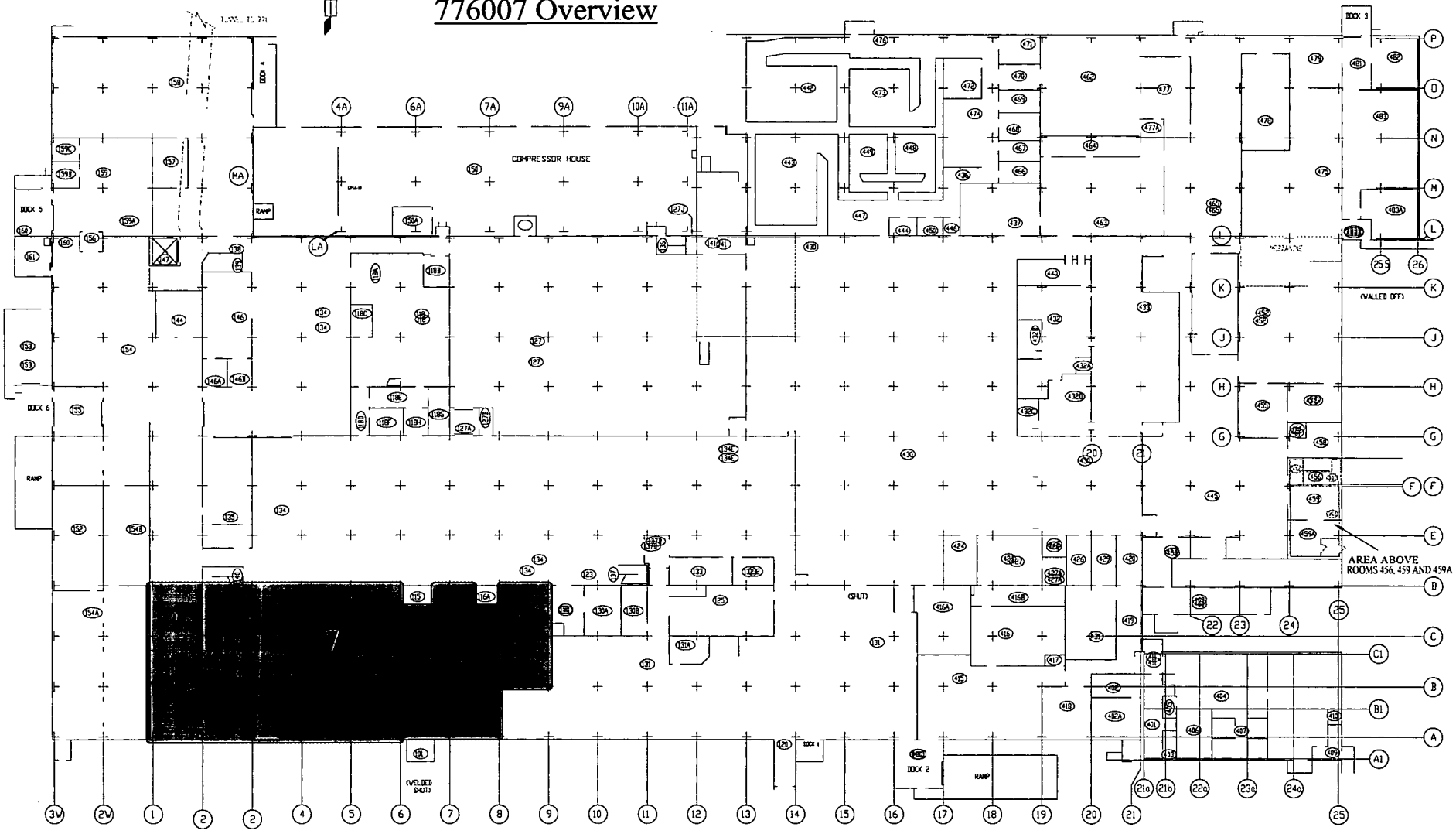
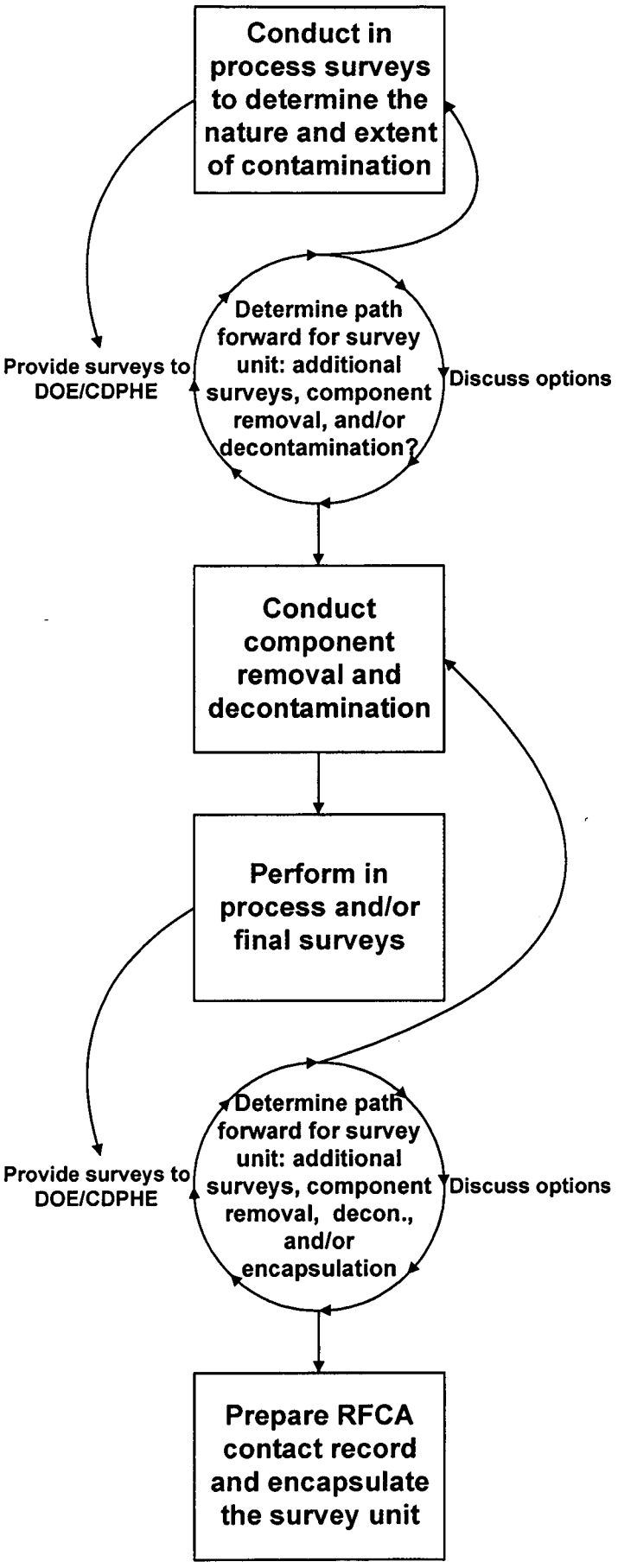
B776/777 FIRST FLOOR

776007 Overview




Conduct in process surveys to determine the nature and extent of contamination
Provide surveys to DOE/CDPHE
Determine path forward for survey unit: additional surveys, component removal, and/or decontamination?
Discuss options
Conduct component removal and decontamination
Perform in process and/or final surveys
Provide surveys to DOE/CDPHE
Determine path forward for survey unit: additional surveys, component removal, decon., and/or encapsulation
Discuss options
Prepare RFCA contact record and encapsulate the survey unit

In-Process Survey Instructions
Survey Unit 776007

Purpose:

This instruction provides guidance for collecting data needed to determine the contamination levels in Survey unit 776007. Work to be performed in accordance with " INS-535-Ludlum2350-1 with Sodium Iodide Detector" and RSP-7.01 and 7.02.

Equipment and materials:

1) A Bicron G-5 detector (G-5) attached to a Ludlum 2350-1.

2) A Ludlum 44-17 detector (44-17) attached to a Ludlum 2350-1.

3) Probe holders for the G-5 and the 44-17 with tin side shield (side shield optional for the G-5).

4) Electra with attached DP-6, calibrated and daily response checked.

5) Access to a SAC-4 that has daily performance checks completed.

Procedure:

1) Inspect instruments for obvious damage and perform battery checks, as required.

2) Ensure the NaI instruments (G-5 and 44-17) are functioning by using Americium-241 source TS-912, counting the source for 60 seconds. Record readings from before and after survey (i.e., beginning and end of shift) on the daily response check sheet.

3) Obtain background measurements for floors, cement walls with NaI detectors in room 106B near column A-5 on the 1st floor of B-776. For ceilings take background measurement as specified below.

   - ✓ For floors and cement walls, place the detector (G-5 preferred or 44-17) in holder, 30 cm from floor and perform background measurement.
   - ✓ For block walls, place the detector (44-17 preferred or G-5) in holder, 30 cm from wall and perform background measurement.
   - ✓ For ceilings, background measurements will be taken near column A-5 in room 106B. Point detector towards ceiling, place thin metal sheet over probe and take background measurement.

   Perform 60-second count for all background measurements. Record all results in the designated space on the data collection sheet (this may be the remarks section).

4) All areas marked on the attached maps should be scanned. Use the appropriate detector and scan over each grid on the floors and ceilings. Scan over the entire surface of each grid by holding the detector within 6 inches of the surface. Scan rate should be about 1 foot per second. Listen for change in count rate. Locate the point that has the highest reading in the area and take the measurement at that point (sample location). If no elevated reading is detected during the initial scan, then use professional judgement to select sample location most likely to be contaminated in the grid and take the measurement at that point.

In-Process Survey Instructions
Survey Unit 776007

5) Obtain NaI measurements.

- ✓ For floors, take a 60-second NaI measurement at 30 cm placing the detector (G-5 preferred or 44-17) in the holder and centering the detector over the sample location.

- ✓ For block walls. Scan along the top of the wall holding the probe three inches from the wall. Scan at 6" per second over all accessible areas. Take one contact reading in each ten-foot section on the location with the highest NaI response.

- ✓ For walls, take a 30-second NaI measurement at 30 cm placing the detector (44-17 preferred) in the holder and centering the detector over the sample location. Take 30-second contact readings near wall penetrations (i.e., doorways) with elevated readings. Walls shall be surveyed by taking **one measurement every 6 feet on center**. No scanning is required. Designate wall numbers using the room number and the direction you are facing when looking at the wall. For example, the wall between room 112 and room 134 would be wall number 112- N (N for North), the wall between room 112 and 112B is 112-S, (S for South). For walls longer than 20 feet, such as the wall along Column line 9, the northern most section is section A and the southern most is section B. For walls Along Room 106, the eastern most section is A and the letters increase as one proceeds west. The south wall of room 106 requires surveys with Alpha instruments only.

- ✓ For ceilings, take a 60-second NaI measurement at 30 cm placing the 44-17 holder and centering the detector over the sample location. Ensure there is a tin back-shield on the detector.

Record all data using the grid number as the sample location number, as appropriate (i.e., specific assigned numbers for floors and ceilings. Use assigned wall and section numbers for walls.

6) For all NaI measurements, mark area where detector was placed for each reading by circumscribing the area where the measurement was taken.

7) Note any items or conditions that may have affected any measurement in the "remarks" section of the data collection sheet.

In-Process Survey Instructions
Survey Unit 776007

Table 776007-1: Survey Requirements

	Surface	Type of Survey	Detector	Placement	Scan Rate / Count Time
Background	Block Walls	Background measurement	Ludlum 44-17	30 cm of wall in room 106B, near column A-5.	60 seconds
	Floors and Cement Walls	Background measurement	Bicron G-5 or Ludlum 44-17, as appropriate.	30 cm of floor in room 106B, near column A-5.	60seconds
	Metal ceilings	Background measurement	Ludlum 44-17	In room 106B, near column A-5. Point probe upward. Place thin metal sheet over probe.	60 seconds
Scan	Floor	Total Alpha Activity	Preferred: Bicron G-5 Secondary: Ludlum 44-17	✓ Scan within 6" until highest reading is found	~ 1 foot per second
	Walls	Top of walls	Ludlum 44-17	Scan within 3" until highest reading is found	~ 1/2 foot per second
	Ceiling	Total Alpha Activity	Ludlum 44-17	✓ Scan Within 6" until elevated reading is found	~ 1 foot per second
Nal Measurements	Floor	Total Alpha Activity	Preferred: Bicron G-5 Secondary: Ludlum 44-17	30 cm	60seconds
	Walls	Total Alpha Activity	Preferred: Ludlum 44-17 Secondary: Bicron G-5	30 cm. On contact once every 10 feet on top block or to investigate elevated readings on rest of wall	30 seconds
	Ceiling	Total Alpha Activity	Ludlum 44-17	30 cm	60 seconds
TSA / RSA	Walls along south side of room 106B and 108	Total Alpha Activity	Electra with DP-6	On contact once every 10 feet	60 seconds
	N/A	N/A	N/A	N/A	N/A

Area VII
First Follow-up Survey Instructions

Survey/ Sampling Instructions

Purpose:

To collect gross gamma data to determine the effectiveness of decontamination efforts on the floors of Area VII. Work to be performed in accordance with " INS-535-Ludlum2350-1 with Sodium Iodide Detector"

Equipment and materials:

1) A Ludlum 44-17 Attached to a Ludlum 2350-1 set to collect 1-minute counts that will be displayed on its LCD window.
2) A Bicron G-5 Attached to a Ludlum 2350-1 set to collect 1-minute counts that will be displayed on its LCD window.
3) HILTI PD 28 Laser range finder or Measuring tape that is at least 10 feet long..
4) 2 Probe holders, One for the G-5 and one for the 44-17 with tin collimator

Procedure:

1) RCT, ensure the instrument is functioning by using Americium source TS-912. Obtain one 60 second count at the beginning and end of each workday.

2) RCT, inspect instrument for obvious damage and perform a battery check on the instrument.

3) RCT, obtain a 60 second background measurement in room 106B near column A-5.

4) NaI measurements will be taken each survey point that is listed on the attached spreadsheets. Measurements should be taken as close as possible to the original sample location.

5) Take a 60-second reading 30 cm above each sample location. Note if sample location is above a crack in the remarks section (use an "*" next to sample). If crack is source of highest reading, center probe over crack.

6) Record results on the attached survey form and write "2nd Survey" on the form.

Summary of Survey Instructions

Table -1

Location	Type of Survey	Probe	Placement	Count time
Listed on attached spread sheet	Total Alpha	G-5 (preferred) or 44-17	30 cm above previous sample location.	60 seconds

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Final Survey Instructions
Building 776 1st Floor
Survey Unit 776007

Purpose:

This instruction provides guidance for collecting gross gamma and removable contamination data to quantify the amount of residual contamination in Survey Unit 776007 prior to demolition. NaI measurements are performed in accordance with " INS-535-Ludlum2350-1 with Sodium Iodide Detector".

Equipment and materials:

1. A Ludlum 44-17 attached to a Ludlum 2350-1 set to collect five-minute counts that will be displayed on its LCD window.
2. A Bicron G-5 attached to a Ludlum 2350-1 set to collect five-minute counts that will be displayed on its LCD window.
3. One Electra with attached DP-6, calibrated and daily response checked.
4. Two probe holders, one for the G-5 and one for the 44-17 with tin shielding.
5. Calibrated and daily response checked SAC-4.
6. Measuring tape or laser range finder.

Note: The NE Electra with DP-6 probe and the Eberline SAC-4 shall be used in accordance with RSP- 7.01 and 7.02

Procedure:

1. Inspect instrument for obvious damage and ensure battery voltage is equal to or greater than 4.6 volts. If battery voltage is less than 4.6 volts change the batteries.
2. Complete daily performance checks for Sodium Iodide detectors to ensure the instrument is functioning properly by using Americium-241 source TS-912. Record results on Sodium Iodide Data Sheet.
3. For floor and concrete wall background measurements, perform a 300-second background count on contact with the floor using a Bicron G-5 for floors or Ludlum 44-17 for walls at background location in room 106B near column A-5. Record background counts next to "Bkg Floor" or "Bkg Concrete Wall"in background column of attached "Sodium Iodide Data Collection" sheets as needed.
4. For block wall background measurements, perform a 300-second background count on contact with block wall using a Ludlum 44-17 at the background location in room 106B near column A-5. Record background counts next to "Bkg Block Wall" in background column of attached Sodium Iodide data collection sheets as needed.
5. For ceiling and metal floor background measurements, perform a 300-second background count with a Ludlum 44-17 or Bicron G-5 at background location in room 106B near column A-5. Hold the probe waist high, pointed toward ceiling using a sheet metal plate in front of the detector (take background measurement in this configuration). Record background counts next to "Bkg Metal Floor" for the G-5 and " Bkg Metal Ceiling" for the 44-17 on the attached Sodium Iodide data collection sheets as needed.
6. Mark the sample locations on the surfaces to be measured. Take all measurements on contact with the marked surface using tin side shields on the Bicron G-5 and tin side and back shields on the Ludlum 44-17. All Sodium Iodide readings shall have 300 second count times.
7. Collect sodium Iodide, total surface activity and removable surface activity measurements at all locations marked on the attached map.
8. Record the NaI and NE Electra measurements on the attached sheet. Note any items or conditions that may have affected the measurement in the "remarks" section.
9. Count swipes for 60 seconds with a SAC-4, record result on attached sheet for removable contamination.

Final Survey Instructions
Building 776 1st Floor
Survey Unit 776007

Survey Requirements				
Surface	**Type of Survey**	**Probe**	**Placement**	**Count Time**
Floor	Total Alpha Activity	Bicron G-5	On contact	300 seconds
All Surfaces	Total Alpha Activity	Electra with DP-6	On contact	60 seconds
Block walls	Total Alpha Activity	Bicron G-5 or Ludlum 44-17	On contact	300 seconds
All Surfaces	Removable Alpha	SAC-4	Swipe in placed in tray	60 seconds
Ceiling	Total Alpha Activity	Ludlum 44-17	On Contact	300 seconds
Block Walls	Background measurement	Bicron G-5 or Ludlum 44-17	On contact with wall near column A-5.	300 seconds
Metal Floors	Background measurement	Bicron G-5 or Ludlum 44-17	Probe waist high, pointed toward ceiling with sheet metal plate on end near column A-5.	300 seconds
Floors and cement walls	Background measurement	Bicron G-5 or Ludlum 44-17	On contact with floor in room near column A-5.	300 seconds
Metal ceilings	Background measurement	Ludlum 44-17	Probe waist high, pointed toward ceiling with sheet metal plate on end near column A-5.	300 seconds

FINAL SURVEY RESULTS
Survey Unit 776007

Scope

This report is prepared to summarize preliminary surveys of survey unit 776007. The surveys have been performed to determine the extent of contamination in the survey unit. As a result of the low levels of contamination and the lack of remediation required for this survey unit, the final survey was performed in conjunction with the in-process survey.

Survey Unit 776007 consists of the front hallway and office areas in Building 776. It includes room numbers 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 119, 120, 121, and 129, as well as associated partitioned areas and the stairwell from the front office area to the 2nd floor, which is designated room 149.

Historical Review

The rooms in this survey unit were non-process areas. Most of the area in this survey unit was for administrative/office functions. The floors in survey unit 776007 were contaminated in a few locations from the spread of water from the fire that occurred in 1969, as well as the spread of contamination from routine operations in the process areas that occurred throughout the life of the building.

In-process Survey Methods and Techniques

Surfaces were evaluated for potential contamination using sodium iodide (NaI) detectors attached to single channel analyzers windowed for the 59 keV gamma–ray (241Am). The background measurements were taken near column A-5 in room 106B. This location was found to have lower NaI readings than the standard background location on the first floor

Measurements were taken at 30 cm. and on contact. For the 30-cm. measurements on the floors and ceilings, the survey technique involved scanning each grid location to find the highest reading and then taking the measurement at that point. For the 30-cm. measurements on the walls, the reading was taken at the center of each grid; this provides 100% coverage of the walls. Contact measurements were taken on walls along south side of room 106B and room 108. In addition, contact measurements were taken on contact every 10 feet on the top of block walls.

Survey measurements on floors, and ceilings were taken on an established 10ft by 10ft grid pattern. Measurements on the walls were taken on an established 3ft by 3ft grid along the north wall and one measurement per wall for the other office walls.

PDS Methods and Techniques

The PDS survey results determine the Average Surface Contamination Value ($ASCV_u$) and source term for the survey unit. These parameters are used to determine whether the building may be demolished within the limits outlined in the "Radiological Pre-Demolition Survey Plan Building 776/777".

To comply with the "Radiological Pre-Demolition Survey Plan Building 776/777", a minimum of 30 survey points were selected per survey unit. A random start, systematic grid method was used to identify the survey point locations. Three types of surveys are performed at each survey point as follows:

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- Painted surfaces are evaluated for potential contamination under coatings using sodium iodide (NaI) gamma detectors attached to a single channel analyzer windowed for the 59 keV gamma-ray (Am^{241}).
- Direct alpha surface contamination measurements are performed using a NE Electra survey instrument with attached DP-6 probe. This data may be compared to the NaI survey data to show the fraction of contamination that is directly on the surface verses imbedded in the material matrix.
- Removable surface alpha contamination surveys were performed by swiping the survey point with a 47mm filter paper then counting the filter paper on a SAC-4 alpha counter. This data may be used to determine the effectiveness of encapsulation following the PDS.

To conservatively determine the final Average Surface Contamination Value ($ASCV_u$) for the survey unit, the source term associated with inaccessible areas of the survey unit (as described below) is added to the source term calculated by the PDS survey.

ALARA Post-Remediation Surveys

Accessible Areas

In addition to the PDS used to determine the Average Surface Contamination Value ($ASCV_u$) and source term for the survey unit, surveys were taken to determine the effectiveness of remediation efforts. Remediation is performed to demonstrate a reasonable best effort is made to maintain releases to the environment and dose to the workers ALARA.

Floors

The floors of survey unit 776007 consist of concrete, much of which was previously covered with linoleum tile. Five localized areas of the floor in the admin area were found to have elevated readings, greater than the MDA. These areas are marked in red on the "Unit 776007 Floors" map. These areas were remediated, and follow-up and final surveys were performed. The decontamination factor (DF) for these locations is approximately 9.7, which results in an 89.6% source term reduction.

Table 1

Floor Remediation Results

	Pre-Remediation	Post-Remediation
Maximum (dpm/100cm^2)	2,554,026	115,200
Average (dpm/100cm^2)	657,296	67,872

Walls

No wall survey points were found to have elevated readings higher than 100,000 dpm/100cm^2, although some measurements indicated contamination up to 65,061 dpm/100cm^2 (See the included in-process survey data).

Ceilings

Survey measurements revealed that all accessible ceiling surfaces in the survey unit are <100,000 dpm/100cm^2.

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FINAL SURVEY RESULTS
Survey Unit 776007

Stairwell

Survey measurements revealed that all accessible surfaces in the stairwell in this survey unit are <100,000 dpm/100cm^2.

Inaccessible Areas

No inaccessible areas exist on the floors, walls or ceiling in this survey unit

PDS Data Summary

In accordance with the "Radiological Pre-Demolition Survey Plan Building 776/777" the final survey total surface contamination values are used to determine the $ASCV_u$ for each survey unit. The results are summarized in Table 2 below (See Attachment 1 for calculation guidance):

Table 2:
PDS Final Results

	Final Results
776007 Inaccessible Area Source Term (μCi)	N/A
776007 Accessible Area Source Term (μCi)	1,708.1
776007 Total Source Term (μCi)	1,708.1
Survey Unit Wall, Ceiling, and Floor Area (m^2)	3,343
($ASCV_u$) (μCi/m^2)	0.51
($ASCV_u$) (dpm/100cm^2)	11,343

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Attachment 1

Standard Method for Calculating the ASCV for Each Survey Unit

Prerequisites:

1. Final survey map for the survey unit
2. PDS survey results
3. Survey information used to estimate activities in inaccessible areas;
4. Survey information for any structural members or elevated regions not represented by the PDS survey.

Conversions:

1 square meter (m^2) = 100 x 100 cm^2

1 microcurie (μCi) = 2.22x 10^6 dpm

1 ($\mu Ci/ m^2$) = 22,200 dpm/ 100cm^2 evenly distributed over one square meter.

12 inches = 1 foot = 0.305 meters

Calculations:

Accessible Area Inventory

1. Calculate the average surface contamination for the applicable survey unit from a minimum of 30 sodium iodide measurements obtained by the PDS survey.
2. Average the total surface contamination activity present.
3. Convert the average surface contamination value from step 2 from "dpm/ 100cm^2" to "$\mu Ci/ m^2$"

   Example:

   22,200 dpm/100cm^2 x (100 x 100 cm^2/ m^2) x (1μCi/2.22x 10^6 dpm) = 1 $\mu Ci/ m^2$
4. Obtain surface area of survey unit from title box of final survey map. This is reported in square meters.
5. Calculate inventory for accessible areas

   The surface area from a survey unit map title box is 1,000 square meters and the average contamination level from the 30 PDS points is 22,200 dpm/ 100cm^2.

   Example:

   1,000 m^2 x 22,200 dpm/ 100cm^2 x (100 x 100 cm^2/ m^2) x (1μCi/2.22x 10^6 dpm) = 1,000 μCi

Inaccessible Area Inventory

1. Document methods used to estimate contamination levels and potential inventory in seams, cracks or other surfaces in the final survey report. Provide an estimated remaining inventory for each item/area in the report.

   Example:

   There are 20 feet of seams contaminated to an average level of 2,220,000 dpm/100 cm^2. Each seam has two sides. The total inventory can be estimated assuming the contamination levels measured at the top of the seam extend down each side of the seam. The depth of the seam can be determined from design drawings or from direct observation as the seam is chipped away. If a seam is determined to be 4 inches deep, then the inventory of the seam can be calculated as follows:

   The contaminated area of the seam is:

   (20 feet x .305 m/ft) * (0.3 feet x 0.305 m/ft) = .61 m^2 x 2 sides = 1.22 m^2

   Therefore the inventory in the seam in μCi is:

   1.22 m^2 * (2,220,000 dpm/100 cm^2) * (10,000 cm^2/ m^{-2})* μCi /2.22E6 dpm = 122 μCi

Attachment 1

Calculating the ASCV

1. Sum the inventories from the inaccessible areas with the inventory for the accessible area to obtain a total inventory for the survey unit.

   Total Inventory = Accessible Inventory + Inaccessible inventory + Inventory items (areas not represented by other inventories listed i.e. Stairs, columns, etc)

   Example: 1000 μCi = accessible inventory

   122 μCi = inaccessible inventory

   100 μCi = inaccessible contamination in the columns and contamination on the stairs

   1000 + 122 + 100 = 1222 μCi

2. Divide the total inventory for the survey unit by the accessible area of the survey unit obtained from the final survey map.

   Example: 1222 μCi = total inventory

   1000 m2 = total surface area of the survey unit

   1222 μCi/1,000 m^2 = 1.22 μCi / m^2

   1.22 μCi /m^2 * (1m^2 /(100*100 cm^2)) * (2.22E6 dpm/μCi) = 27084 dpm/ 100cm^2

In-process/Follow-up Floor Surveys for Suvey Unit 776007

Location #	Column letter	Column Number	North	East	Surface	Gross Counts	In-process (dpm/100cm^2)	Follow-up (dpm/100cm^2)
7-1	C	1	14	4	FLOOR	2570	116,692	48,720
7-2	C	1	11	12.5	FLOOR	1741	37,882	N/A
7-3	C	2	19.5	0.5	FLOOR	1288	8,006	N/A
7-4	C	2	10	17	FLOOR	1298	7,972	N/A
7-5	C	3	10.5	6.5	FLOOR	28721	2,554,026	115,200
7-6	C	3	19	19	FLOOR	1515	16,255	N/A
7-7	C	4	14	6	FLOOR	1322	7,873	N/A
7-8	C	4	19	16.5	FLOOR	1492	14,002	N/A
7-9	C	5	19.5	9.5	FLOOR	1535	17,888	N/A
7-10	C	5	195	11	FLOOR	1776	39,832	N/A
7-11	C	6	17	4	FLOOR	1767	38,850	N/A
7-12	C	6	17	13	FLOOR	1888	49,656	N/A
7-13	C	7	12	5	FLOOR	1198	7,681	N/A
7-14	C	7	15	12	FLOOR	1502	14,560	N/A
7-15	C	8	12	0.5	FLOOR	1581	21,573	N/A
7-16	C	7	20	12	FLOOR	1427	7,757	N/A
7-17	C	1	2	1	FLOOR	1370	7,558	N/A
7-18	C	1	1	19	FLOOR	1731	34,582	N/A
7-19	C	2	1.5	0.5	FLOOR	1279	7,498	N/A
7-20	C	2	1	16	FLOOR	1320	7,468	N/A
7-21	C	3	10	3	FLOOR	5329	348,645	81,360
7-22	C	3	1.5	18.5	FLOOR	1405	7,409	N/A
7-23	C	4	4	9	FLOOR	1405	7,381	N/A
7-24	C	4	3.5	16.5	FLOOR	1397	7,352	N/A
7-25	C	5	5	3	FLOOR	1527	16,091	N/A
7-26	C	5	2	12	FLOOR	1450	9,429	N/A
7-27	C	6	1	8	FLOOR	1553	18,187	N/A
7-28	C	6	9	12	FLOOR	1729	33,087	N/A
7-29	C	7	3	8	FLOOR	1508	14,235	N/A
7-30	C	7	5	19.5	FLOOR	1310	7,184	N/A
7-31	C	8	5	0.5	FLOOR	1399	7,157	N/A
7-32	C	8	10	11	FLOOR	1366	7,130	N/A
7-33	B	8	10.5	10.5	FLOOR	1327	7,103	N/A
7-34	B	8	14	0.5	FLOOR	1446	8,813	N/A
7-35	B	7	10.5	19	FLOOR	1345	7,050	N/A
7-36	B	7	17	6	FLOOR	1413	7,024	N/A
7-37	B	6	13	19.5	FLOOR	1467	10,442	N/A
7-38	B	6	18	1.5	FLOOR	1439	8,110	N/A
7-39	B	5	11	11	FLOOR	1614	22,363	N/A
7-40	B	5	11	5	FLOOR	1484	11,710	N/A
7-41	B	4	15	11	FLOOR	1401	6,896	N/A
7-42	B	4	13	10	FLOOR	1395	6,871	N/A

In-process/Follow-up Floor Surveys for Suvey Unit 776007

Location #	Column letter	Column Number	North	East	Surface	Gross Counts	In-process (dpm/100cm^2)	Follow-up (dpm/100cm^2)
7-43	B	3	17	19.5	FLOOR	1161	6,846	N/A
7-44	B	3	12	7	FLOOR	1281	6,821	N/A
7-45	B	2	15	19	FLOOR	1317	6,796	N/A
7-46	B	2	12	7	FLOOR	1293	6,772	N/A
7-47	B	1	16	16.5	FLOOR	3320	156,986	38,640
7-48	B	1	19	9	FLOOR	1320	6,724	N/A
7-49	B	1	1	8	FLOOR	1123	6,700	N/A
7-50	B	1	7	18	FLOOR	1151	6,676	N/A
7-51	B	2	8	8	FLOOR	1320	6,653	N/A
7-52	B	2	7	17.5	FLOOR	1262	6,630	N/A
7-53	B	3	9	8	FLOOR	1199	6,606	N/A
7-54	B	3	9	11	FLOOR	1170	6,583	N/A
7-55	B	4	7	7	FLOOR	1363	6,560	N/A
7-56	B	4	9	11	FLOOR	1424	6,538	N/A
7-57	B	5	6.5	0.5	FLOOR	1500	12,248	N/A
7-58	B	5	6	11	FLOOR	1481	10,757	N/A
7-59	C	6	5	2	FLOOR	1418	6,471	N/A
7-60	C	6	8	10.5	FLOOR	1465	9,471	N/A
7-61	B	7	6	4	FLOOR	1475	10,194	N/A
7-62	B	7	2	18	FLOOR	1871	39,960	N/A
7-63	B	8	9	0.5	FLOOR	1448	8,100	N/A
7-64	B	8	0.5	18	FLOOR	1325	6,362	N/A
7-65	A	7	17	13	FLOOR	1675	24,956	N/A
7-66	A	7	18	7	FLOOR	1635	21,903	N/A
7-67	A	6	18.5	15	FLOOR	1395	6,298	N/A
7-68	A	6	15	6	FLOOR	1504	12,096	N/A
7-69	A	5	14	15	FLOOR	1507	12,276	N/A
7-70	A	5	9	0.5	FLOOR	1406	6,236	N/A
7-71	A	4	16	0.5	FLOOR	1373	6,215	N/A
7-72	A	4	19	8	FLOOR	1398	6,195	N/A
7-73	A	3	14	15	FLOOR	2145	58,402	N/A
7-74	A	3	10.5	8.5	FLOOR	2863	110,132	55,440
7-75	A	2	11	11	FLOOR	1184	6,134	N/A
7-76	A	2	16	6.5	FLOOR	1226	6,115	N/A
7-77	A	1	15	19	FLOOR	1159	6,095	N/A
7-78	A	1	14	8	FLOOR	1168	6,075	N/A
7-79	A	1	1	1	FLOOR	1095	6,056	N/A
7-80	A	1	6	13	FLOOR	1078	6,036	N/A
7-81	A	2	7	7	FLOOR	1152	6,017	N/A
7-82	A	2	1	11	FLOOR	1113	5,998	N/A
7-83	A	3	9.5	8	FLOOR	1369	5,979	N/A
7-84	A	3	10	16	FLOOR	2720	96,644	N/A

In-process/Follow-up Floor Surveys for Suvey Unit 776007

Location #	Column letter	Column Number	North	East	Surface	Gross Counts	In-process (dpm/100cm^2)	Follow-up (dpm/100cm^2)
7-85	A	4	9	9	FLOOR	1374	5,942	N/A
7-86	A	4	7.5	13	FLOOR	1373	5,923	N/A
7-87	A	5	9	3.5	FLOOR	1277	5,904	N/A
7-88	A	5	9	15	FLOOR	1500	11,065	N/A
7-89	A	6	3.5	4	FLOOR	1192	5,868	N/A
7-90	A	6	9	14	FLOOR	1214	5,850	N/A
7-91	A	7	9	9	FLOOR	1661	21,994	N/A
7-92	A	7	8	14	FLOOR	1666	22,268	N/A

776007 In-Process Wall Survey Data

Wall #	Elevation (Meters)	Contact or 30 cm?	In-process (dpm/100 cm^2)	Follow-up (dpm/100 cm^2)
107 north	1.5	30cm	37,254	N/A
107 north	5	contact	25,339	N/A
107 East	1.5	30cm	37,254	N/A
107 East	1.5	30cm	37,254	N/A
107 East	1.5	30cm	37,254	N/A
107 East	5	contact	25,339	N/A
107 East	1.5	30cm	37,254	N/A
107 South	1.5	30cm	37,254	N/A
107 South	1.5	30cm	37,254	N/A
107 South	5	contact	25,339	N/A
107 South	5	contact	25,339	N/A
108 NORTH	1.5	30cm	37,254	N/A
108 NORTH	1.5	30cm	37,254	N/A
108 NORTH	5	contact	25,339	N/A
108 EAST-A	1.5	30cm	37,254	N/A
108 EAST-A	5	contact	25,339	N/A
108 EAST-B	1.5	30cm	37,254	N/A
108 EAST-B	1.5	30cm	37,254	N/A
108 EAST-B	5	contact	25,339	N/A
109 NORTH	1.5	30cm	37,254	N/A
109 NORTH	1.5	30cm	37,254	N/A
109 NORTH	5	contact	25,339	N/A
109 NORTH	5	contact	25,339	N/A
109 EAST-A	1.5	30cm	37,254	N/A
109 EAST-A	1.5	30cm	37,254	N/A
109 EAST-A	1	30cm	37,254	N/A
109 EAST-A	5	contact	25,339	N/A
109 EAST-A	5	contact	25,339	N/A
109 EAST-B	1.5	30cm	37,254	N/A
109 EAST-B	1.5	30cm	37,254	N/A
109 EAST-B	5	contact	25,339	N/A
109 EAST-B	5	contact	25,339	N/A
109 EAST-C	1.5	30cm	37,254	N/A
109 EAST-C	1.5	30cm	37,254	N/A
109 EAST-C	5	contact	25,339	N/A
109 SOUTH	1.5	30cm	37,254	N/A
109 SOUTH	5	contact	25,339	N/A
109 WEST-A	1.5	30cm	37,254	N/A
109 WEST-A	1.5	30cm	37,254	N/A
109 WEST-A	1.5	30cm	37,254	N/A
109 WEST-A	5	contact	25,339	N/A
109 WEST-B	1.5	30cm	37,254	N/A

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776007 In-Process Wall Survey Data

Wall #	Elevation (Meters)	Contact or 30 cm?	In-process (dpm/100 cm^2)	Follow-up (dpm/100 cm^2)
109 WEST-B	5	contact	25,339	N/A
109 WEST-C	1.5	30cm	37,254	N/A
109 WEST-C	1.5	30cm	37,254	N/A
109 WEST-C	1.5	30cm	37,254	N/A
109 WEST-C	1.5	30cm	37,254	N/A
109 WEST-C	5	contact	25,339	N/A
109A NORTH	1.5	30cm	37,254	N/A
109A NORTH	5	contact	25,339	N/A
109A EAST	1.5	30cm	37,254	N/A
109A EAST	5	contact	25,339	N/A
105 EAST	5	contact	24,891	N/A
105 EAST	2	30cm	36,596	N/A
105 WEST	5	contact	24,891	N/A
105 WEST	2	30cm	36,596	N/A
105 WEST	5	contact	24,891	N/A
105 WEST	2	30cm	36,596	N/A
110 WEST	5	contact	24,891	N/A
110 WEST	2	30cm	36,596	N/A
110 WEST	5	contact	24,891	N/A
110 WEST	2	30cm	36,596	N/A
110 WEST	2	30cm	36,596	N/A
129 WEST	5	contact	24,891	N/A
129 WEST	2	30cm	36,596	N/A
129 WEST	2	30cm	36,596	N/A
129 EAST	5	contact	24,891	N/A
129 EAST	2	30cm	36,596	N/A
129 EAST	2	30cm	36,596	N/A
128 EAST	5	contact	24,891	N/A
128 EAST	5	contact	24,891	N/A
128 EAST	2	30cm	36,596	N/A
128 EAST	2	30cm	36,596	N/A
128 WEST	5	contact	24,891	N/A
128 WEST	2	30cm	36,596	N/A
128 WEST	2	30cm	36,596	N/A
128 WEST	5	contact	24,891	N/A
128 WEST	5	contact	24,891	N/A
128 WEST	2	30cm	36,596	N/A
128 WEST	2	30cm	36,596	N/A
104C EAST	5	contact	24,891	N/A
104C EAST	2	30cm	36,596	N/A
110 EAST	5	contact	24,891	N/A
110 EAST	2	30cm	36,596	N/A

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776007 In-Process Wall Survey Data

Wall #	Elevation (Meters)	Contact or 30 cm?	In-process (dpm/100 cm^2)	Follow-up (dpm/100 cm^2)
110 EAST	2	30cm	36,596	N/A
104C EAST	5	contact	24,891	N/A
104C EAST	2	30cm	36,596	N/A
104C WEST	5	contact	24,891	N/A
104C WEST	2	30cm	36,596	N/A
104C SOUTH	5	contact	24,891	N/A
104C SOUTH	2	30cm	36,596	N/A
104A WEST	5	contact	24,891	N/A
104A WEST	2	30cm	36,596	N/A
110 SOUTH	5	contact	24,891	N/A
110 SOUTH	2	30cm	36,596	N/A
110 SOUTH	2	30cm	36,596	N/A
104A WEST	5	30cm	36,596	N/A
104A WEST	2	30cm	36,596	N/A
110 WEST	5	contact	24,891	N/A
110 WEST	2	30cm	36,596	N/A
104A EAST	5	contact	24,891	N/A
104A EAST	2	30cm	36,596	N/A
104 HALLWAY EAST	5	contact	24,891	N/A
104 HALLWAY EAST	2	30cm	36,596	N/A
104 HALLWAY EAST	2	30cm	36,596	N/A
104 HALLWAY EAST	5	30cm	36,596	N/A
104 HALLWAY EAST	2	30cm	36,596	N/A
104A EAST	5	contact	24,891	N/A
104A EAST	2	30cm	36,596	N/A
104A EAST	2	30cm	36,596	N/A
105 EAST	5	contact	24,891	N/A
105 EAST	2	30cm	36,596	N/A
104A WEST	5	contact	24,891	N/A
104A WEST	2	30cm	36,596	N/A
104A WEST	2	30cm	36,596	N/A
102 HALLWAY NORTH	5	contact	24,891	N/A
102 HALLWAY NORTH	2	30cm	36,596	N/A
102 HALLWAY NORTH	2	30cm	36,596	N/A
102 HALLWAY EAST	5	contact	24,891	N/A
102 HALLWAY EAST	2	30cm	36,596	N/A
102 HALLWAY NORTH	5	contact	24,891	N/A
102 HALLWAY NORTH	2	30cm	36,596	N/A
104C NORTH	5	contact	24,891	N/A
104C NORTH	2	30cm	36,596	N/A
104C WEST	5	contact	24,891	N/A
104C WEST	2	30cm	36,596	N/A

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776007 In-Process Wall Survey Data

Wall #	Elevation (Meters)	Contact or 30 cm?	In-process (dpm/100 cm^2)	Follow-up (dpm/100 cm^2)
120 HALLWAY NORTH	5	30cm	36,596	N/A
120 HALLWAY NORTH	2	30cm	36,596	N/A
120 HALLWAY NORTH	2	30cm	36,596	N/A
102 HALLWAY NORTH	5	contact	24,891	N/A
102 HALLWAY NORTH	2	30cm	36,596	N/A
102 HALLWAY NORTH	2	30cm	36,596	N/A
102 HALLWAY NORTH	5	contact	24,891	N/A
102 HALLWAY NORTH	2	30cm	36,596	N/A
102 HALLWAY NORTH	2	30cm	36,596	N/A
116 SOUTH	5	contact	26,394	N/A
116 SOUTH	2	30cm	38,805	N/A
116 SOUTH	5	contact	26,394	N/A
116 SOUTH	2	30cm	38,805	N/A
113 SOUTH	5	contact	26,394	N/A
113 SOUTH	2	30cm	38,805	N/A
113 SOUTH	5	contact	26,394	N/A
113 SOUTH	2	30cm	38,805	N/A
113 SOUTH	2	30cm	38,805	N/A
113 SOUTH	2	30cm	38,805	N/A
113 EAST	2	30cm	38,805	N/A
113 EAST	5	contact	26,394	N/A
113 EAST	2	30cm	38,805	N/A
113 NORTH	5	contact	26,394	N/A
113 NORTH	2	30cm	38,805	N/A
113 NORTH	2	30cm	38,805	N/A
113 WEST	5	contact	26,394	N/A
113 WEST	2	30cm	38,805	N/A
113 WEST	5	contact	26,394	N/A
113 WEST	2	30cm	38,805	N/A
113 NORTH	5	contact	26,394	N/A
113 NORTH	2	30cm	38,805	N/A
119 SOUTH	5	contact	26,394	N/A
119 SOUTH	2	30cm	38,805	N/A
119 SOUTH	2	30cm	38,805	N/A
116 EAST	5	contact	26,394	N/A
116 EAST	2	30cm	38,805	N/A
116 WEST	5	contact	26,394	N/A
116 WEST	2	30cm	38,805	N/A
113B SOUTH	2	30cm	65,061	N/A
113B SOUTH	2	30cm	65,061	N/A
113B EAST	2	30cm	65,061	N/A
113B EAST	2	30cm	65,061	N/A

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776007 In-Process Wall Survey Data

Wall #	Elevation (Meters)	Contact or 30 cm?	In-process (dpm/100 cm^2)	Follow-up (dpm/100 cm^2)
113B NORTH	5	30cm	65,061	N/A
113B NORTH	2	30cm	65,061	N/A
113B NORTH	2	30cm	65,061	N/A
112A WEST	2	30cm	65,061	N/A
113B WEST	2	30cm	65,061	N/A
113B WEST	2	30cm	65,061	N/A
112A NORTH	2	30cm	65,061	N/A
112A NORTH	2	30cm	65,061	N/A
112A SOUTH	2	30cm	65,061	N/A
112A SOUTH	2	30cm	65,061	N/A
112A EAST	2	30cm	65,061	N/A
112 EAST	5	30cm	65,061	N/A
112 EAST	2	30cm	65,061	N/A
112 EAST	2	30cm	65,061	N/A
112 SOUTH	2	30cm	65,061	N/A
112 SOUTH	2	30cm	65,061	N/A
112 WEST	2	30cm	65,061	N/A
112 WEST	2	30cm	65,061	N/A
112 NORTH	2	30cm	65,061	N/A
112 NORTH	2	30cm	65,061	N/A
112B EAST	2	30cm	65,061	N/A
112B EAST	2	30cm	65,061	N/A
112B SOUTH	2	30cm	65,061	N/A
112B SOUTH	2	30cm	65,061	N/A
112B WEST	2	30cm	65,061	N/A
112B WEST	2	30cm	65,061	N/A
103 EAST	2	30cm	65,061	N/A
103 EAST	2	30cm	65,061	N/A
130 PARTITION WEST	2	30cm	65,061	N/A
103 WEST	2	30cm	65,061	N/A
103 NORTH	2	30cm	65,061	N/A
103 NORTH	2	30cm	65,061	N/A
103 WEST	2	30cm	65,061	N/A
103 SOUTH	2	30cm	65,061	N/A
103 SOUTH	2	30cm	65,061	N/A
103 SOUTH	2	30cm	65,061	N/A

Total Activity Estimates Using Sodium Iodide Instruments

Survey Area:	VII	Survey Unit:	776007	Survey Date(s):	01/02/05

Sample Location #	RCT ID #	Instrument #	Gross Counts	Critical Level (dpm/100cm2)	Total Alpha (dpm/100cm2)
1	1	1	755	5,249	24,851
2	1	1	632	5,249	12,526
3	1	1	707	5,249	20,041
4	1	1	684	5,249	17,736
5	1	1	633	5,249	12,626
6	1	1	710	5,249	20,342
7	1	1	683	5,249	17,636
8	1	1	680	5,249	17,336
9	1	1	874	5,249	36,776
10	1	1	645	5,249	13,828
11	2	2	777	8,110	8,110
12	2	2	935	8,110	8,110
13	2	2	870	8,110	8,110
14	1	1	990	8,122	8,122
15	1	1	1110	8,122	8,122
16	1	1	1174	8,122	8,122
17	1	1	248	8,122	8,122
18	1	1	1076	8,122	8,122
19	1	1	201	5,249	5,249
20	1	1	746	8,122	8,122
21	2	2	1135	8,110	16,661
22	2	2	648	8,110	8,110
23	2	2	986	8,110	8,110
24	1	1	709	8,122	8,122
25	1	1	1169	8,122	8,122
26	2	2	838	8,110	8,110
27	2	2	923	8,110	8,110
28	2	2	801	8,110	8,110
29	1	1	618	8,122	8,122
30	1	1	1195	8,122	8,122
31	1	1	14104	5,988	5,988
32	1	1	13752	5,988	5,988
33	1	1	12220	5,988	5,988
34	1	1	11896	5,988	5,988

Total Surface Activity

Survey Area:		VII	Survey Unit:	776007			
Meter Model:		NE Electra w/ DP6 Probe				Date:	1/7/05
		1	2	3			
Instrument #:		2330	2093	N/A	N/A	A priori MDA:	94
Cal. Due Date:		1/22/05	1/31/05	N/A	N/A	Avg. Local Bkgd	15.0
Efficiency (c/d):		0.217	1/0/00	N/A	N/A	Avg. Efficiency	0.216
Sample Location #	RCT ID #	Inst. #	Local Bkgd (cpm)		Gross (cpm)	(dpm/100 cm^2)	
1	1	2330	12		10.0	-9.3	
2	2	2330	4		5.0	4.6	
3	1	2330	4		13.0	41.7	
4	1	2330	9		13.0	18.5	
5	1	2330	6		25.0	88.0	
6	1	2330	12		15.0	13.9	
7	1	2330	12		12.0	0.0	
8	1	2330	6		9.0	13.9	
9	1	2330	15		20.0	23.1	
10	1	2330	7		45.0	175.9	
11	1	2330	10		7.0	-13.9	
12	1	2330	3		9.0	27.8	
13	1	2330	15		6.0	-41.7	
14	1	2330	12		11.0	-4.6	
15	1	2330	10		10.0	0.0	
16	1	2330	11		19.0	37.0	
17	1	2330	11		12.0	4.6	
18	1	2330	10		11.0	4.6	
19	1	2330	35		89.0	250.0	
20	1	2330	8		11.0	13.9	
21	1	2330	7		12.0	23.1	
22	1	2330	4		19.0	69.4	
23	1	2330	7		14.0	32.4	
24	1	2330	13		17.0	18.5	
25	1	2330	4		27.0	106.5	
26	1	2330	10		12.0	9.3	
27	1	2330	6		12.0	27.8	
28	1	2330	2		8.0	27.8	
29	1	2330	4		5.0	4.6	
30	1	2330	7		6.0	-4.6	
31	1	2093	2		9.0	32.4	
32	1	2093	1		6.0	23.1	
33	1	2093	6		8.0	9.3	
34	1	2093	4		3.0	-4.6	
					MIN	-41.7	
					MAX	250.0	
					MEAN	30.1	
					SD	54.9	

Removable Activity

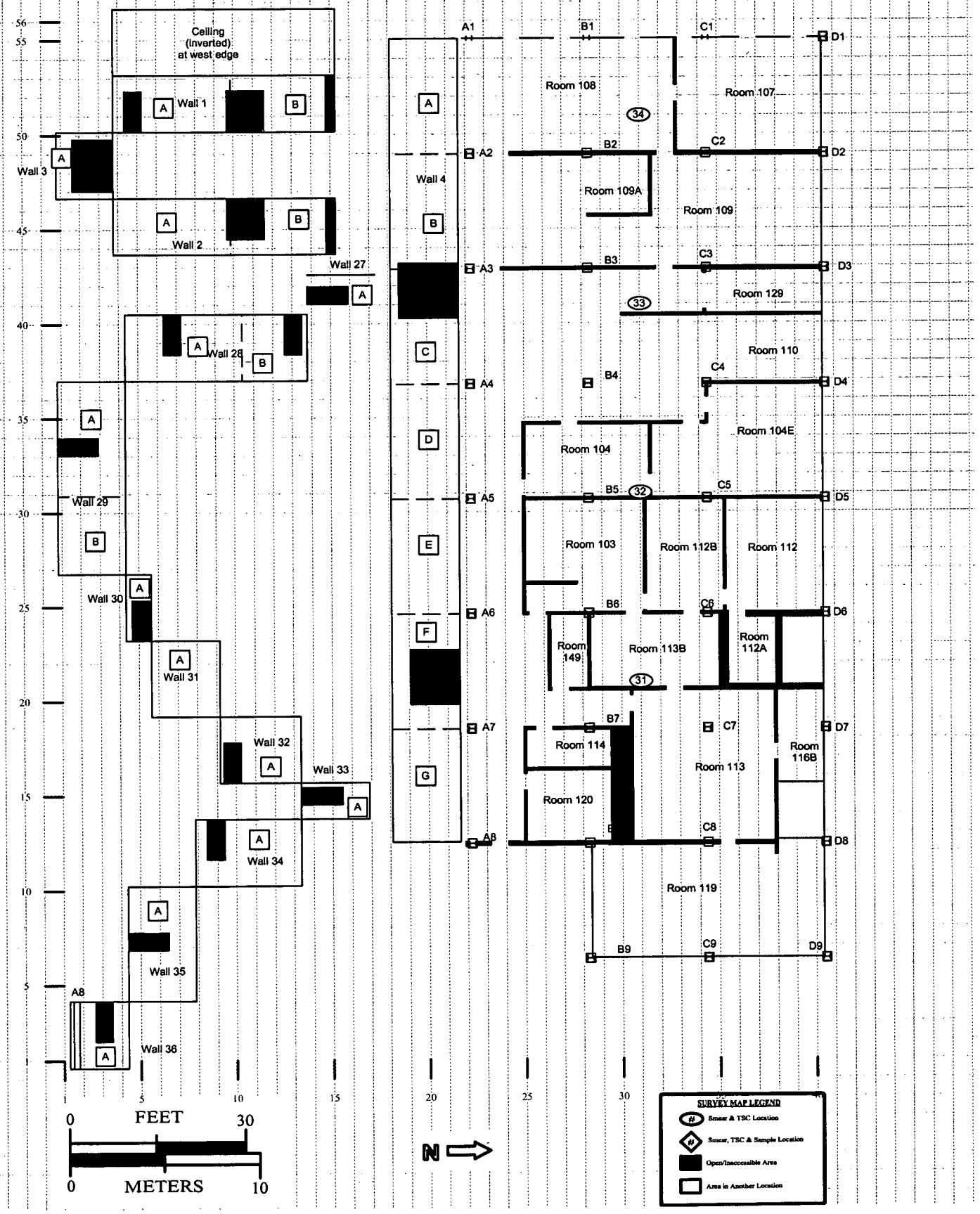
Survey Area:		VII	Survey Unit:		776007
Dates Counted:	1/2/05				
A priori MDA:	16				
Efficiency (c/d)	0.333				
Smear Location Number	Smear Results				
	RCT ID #	Serial Number	Gross (cpm)	Bkg.	(dpm/100 cm^2)
1	2	847	0.0	0.5	-2
2	2	847	0.0	0.5	-2
3	2	816	0.2	0.5	-1
4	2	1051	0.0	0.4	-1
5	2	1479	0.0	0.5	-2
6	2	816	0.4	0.5	0
7	2	847	0.0	0.5	-2
8	2	1479	0.1	0.5	-1
9	2	1051	0.1	0.4	-1
10	2	1051	0.3	0.4	0
11	2	1479	0.0	0.5	-2
12	2	816	0.0	0.5	-2
13	2	847	0.1	0.5	-1
14	2	1051	0.2	0.4	-1
15	2	1479	0.1	0.5	-1
16	2	816	0.0	0.5	-2
17	2	847	0.1	0.5	-1
18	2	1051	0.0	0.4	-1
19	2	1479	0.1	0.5	-1
20	2	816	0.1	0.5	-1
21	2	847	0.1	0.5	-1
22	2	1051	0.2	0.4	-1
23	2	1479	0.0	0.5	-2
24	2	816	0.0	0.5	-2
25	2	847	0.0	0.5	-2
26	2	1051	0.0	0.4	-1
27	2	1479	0.0	0.5	-2
28	2	816	0.0	0.5	-2
29	2	847	0.0	0.5	-2
30	2	1051	0.0	0.4	-1
31	2	847	0.0	0.0	0
32	2	1051	0.0	0.6	-2
33	2	847	1.0	0.0	3
34	2	1051	1.0	0.6	1
				MIN	-1.8
				MAX	**3.0**
				MEAN	**-1.0**
				SD	0.9

RADIOLOGICAL CLOSEOUT SURVEY FOR THE 776 CLUSTER

Survey Area: VII **Survey Unit:** 776007 **Classification:** NA
Building: 776
Survey Unit Description: First floor- Southwest office area

Total Floor Area: 786 sq. m **Total Area:** 3343 sq. m **Random Start Grid Size:** 10 x 10 sq. m

SURVEY UNIT 776007 - MAP 1 OF 4

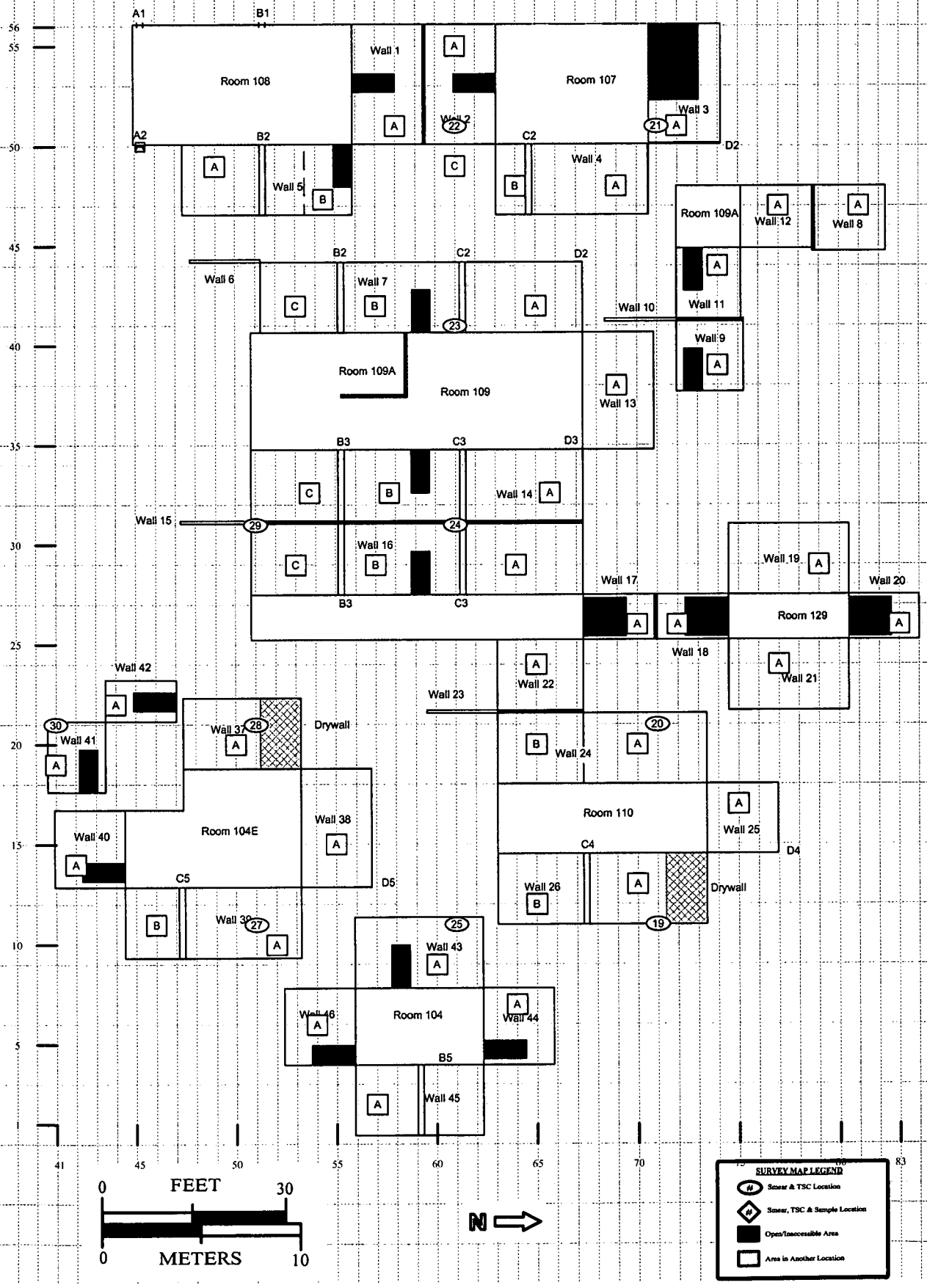


RADIOLOGICAL CLOSEOUT SURVEY FOR THE 776 CLUSTER

Survey Area: VII **Survey Unit: 776007** **Classification: NA**
Building: 776
Survey Unit Description: First floor- Southwest office area

Total Floor Area: 826 sq. m **Total Area: 3484 sq. m** **Random Start Grid Size: 10 x 10 sq. m**

SURVEY UNIT 776007 - MAP 2 OF 4



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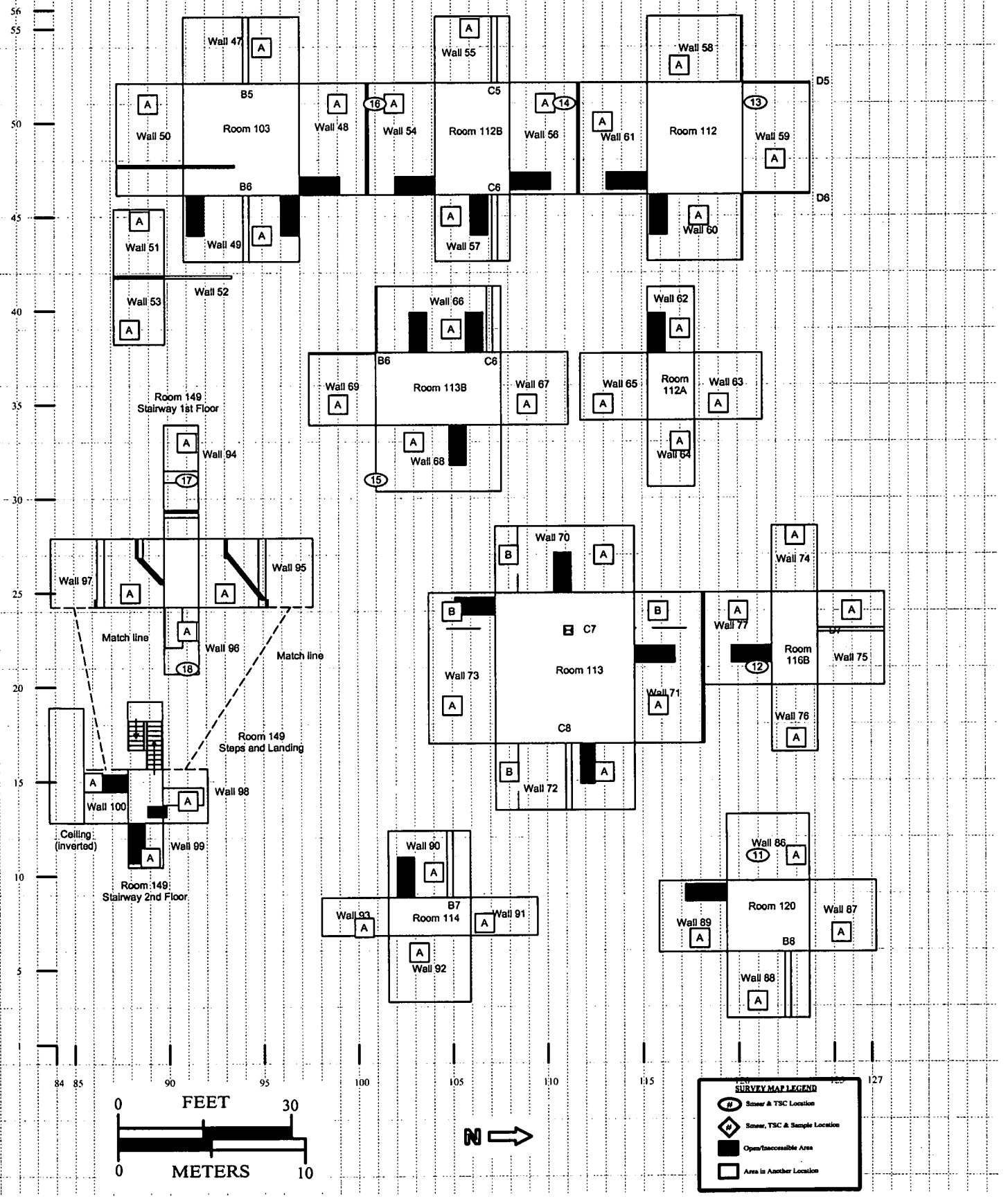
RADIOLOGICAL CLOSEOUT SURVEY FOR THE 776 CLUSTER

Survey Area: VII **Survey Unit: 776007** **Classification: NA**
Building: 776
Survey Unit Description: First floor- Southwest office area

Total Floor Area: 826 sq. m **Total Area: 3484 sq. m** **Random Start Grid Size: 10 x 10 sq. m**

SURVEY UNIT 776007 - MAP 3 OF 4



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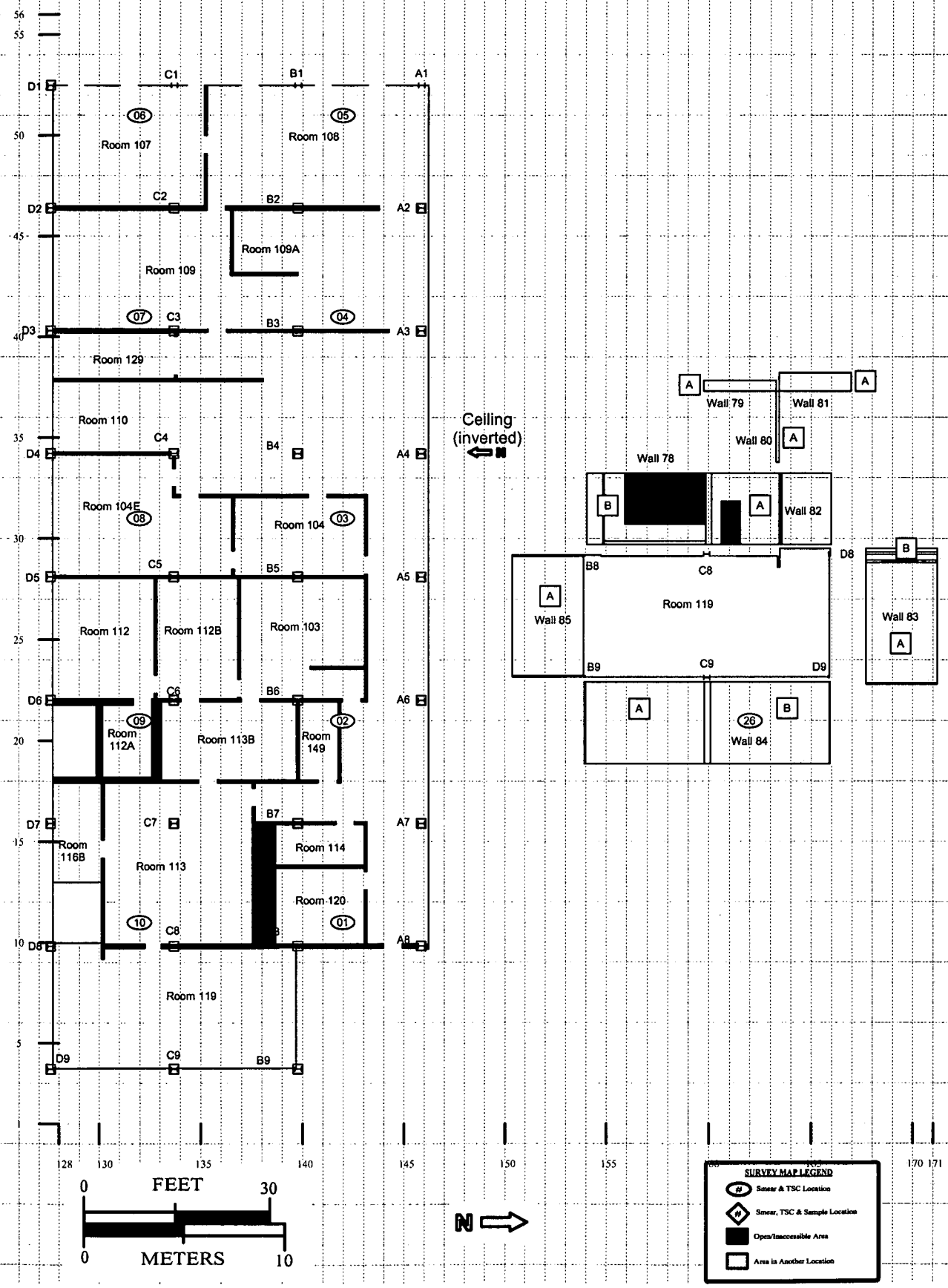
RADIOLOGICAL CLOSEOUT SURVEY FOR THE 776 CLUSTER

Survey Area: VII **Survey Unit: 776007** **Classification: NA**
Building: 776
Survey Unit Description: First floor- Southwest office area

Total Floor Area: 826 sq. m **Total Area: 3484 sq. m** **Random Start Grid Size: 10 x 10 sq. m**

SURVEY UNIT 776007 - MAP 4 OF 4



In-process Ceiling Surveys for Survey Unit 776007

Location #	Column letter	Column Number	North	East	Surface	Gross Counts	In-process (dpm/100cm^2)	Follow-up (dpm/100cm^2)
7-106	C	1	15	5	Ceiling	159	28,452	N/A
7-107	C	1	17	12	Ceiling	149	27,158	N/A
7-108	C	2	17	4	Ceiling	143	25,978	N/A
7-109	C	2	15	13	Ceiling	97	24,895	N/A
7-110	C	3	13	6	Ceiling	155	23,899	N/A
7-112	C	4	16	7	Ceiling	181	38,644	N/A
7-113	C	4	17	12	Ceiling	144	21,339	N/A
7-117	C	4	6	15	Ceiling	129	18,671	N/A
7-118	C	4	9	6	Ceiling	160	18,106	N/A
7-119	C	3	2	5	Ceiling	143	17,573	N/A
7-123	C	1	6	3	Ceiling	159	15,723	N/A
7-124	C	1	3	18	Ceiling	164	17,077	N/A
7-125	B	1	18	4	Ceiling	141	14,937	N/A
7-126	B	1	19	11	Ceiling	147	14,573	N/A
7-130	C	3	13	8	Ceiling	147	13,277	N/A
7-131	B	4	6	5	Ceiling	151	12,989	N/A
7-132	B	4	16	15	Ceiling	131	12,712	N/A
7-141	B	1	9	7	Ceiling	149	10,669	N/A
7-142	B	1	8	12	Ceiling	142	10,482	N/A
7-145	B	3	2	3	Ceiling	145	9,958	N/A
7-146	B	3	11	4	Ceiling	152	9,795	N/A
7-147	B	4	11	3	Ceiling	179	16,113	N/A
7-148	B	4	6	17	Ceiling	151	9,484	N/A
7-149	B	5	17	6	Ceiling	215	28,097	N/A
7-150	B	5	15	16	Ceiling	191	19,468	N/A
7-157	A	7	12	7	Ceiling	147	8,298	N/A
7-158	A	7	12	3	Ceiling	128	8,185	N/A
7-159	A	6	11	12	Ceiling	136	8,074	N/A
7-160	A	6	12	4	Ceiling	116	7,966	N/A
7-161	A	5	12	11	Ceiling	183	14,313	N/A
7-162	A	5	11	4	Ceiling	201	19,317	N/A
7-163	A	4	13	12	Ceiling	167	9,392	N/A
7-164	A	4	12	2	Ceiling	144	7,563	N/A
7-165	A	3	13	18	Ceiling	83	7,469	N/A
7-166	A	3	18	2	Ceiling	94	7,376	N/A
7-167	A	2	14	15	Ceiling	137	7,286	N/A
7-168	A	2	13	5	Ceiling	136	7,199	N/A
7-169	A	1	12	13	Ceiling	132	7,113	N/A
7-170	A	1	17	5	Ceiling	138	7,029	N/A
7-171	A	1	4	4	Ceiling	119	6,948	N/A
7-172	A	5	2	11	Ceiling	127	6,868	N/A
7-173	A	5	2	4	Ceiling	131	6,790	N/A

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Location #	Column letter	Column Number	North	East	Surface	Gross Counts	In-process (dpm/100cm^2)	Follow-up (dpm/100cm^2)
7-174	A	4	1	12	Ceiling	128	6,713	N/A
7-175	A	4	1	1	Ceiling	121	6,639	N/A
7-176	A	3	3	7	Ceiling	126	6,566	N/A
7-177	A	3	2	3	Ceiling	106	6,494	N/A
7-178	A	3	2	7	Ceiling	111	6,425	N/A
7-179	A	2	4	4	Ceiling	116	6,356	N/A
7-180	A	2	4	3	Ceiling	124	6,289	N/A
7-181	A	6	1	4	Ceiling	133	6,224	N/A
7-182	A	6	2	12	Ceiling	130	6,160	N/A
7-183	A	7	2	2	Ceiling	142	6,097	N/A
7-184	A	7	3	18	Ceiling	141	6,035	N/A